

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 13.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-003740**Date Inspected:** 28-Aug-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1130**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Oregon Iron Works Clackamas, Or.**Location:** Clackamas, Oregon**CWI Name:** Don Cox**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Hinge K Components**Summary of Items Observed:**

On this date, Caltrans Quality Assurance (QA) Inspector Mr. Danny C. White (B89) was present at Oregon Iron Works (OIW) for the purpose of monitoring fabrication and welding operations of the Hinge K Pipe Beam at the OIW fabrication and welding shop in Clackamas, Oregon.

The QA Inspector performed random observations in the fabrication shop in bay #1 and observed Mr. Scott Jones completed machining operations on the base-plate component marked as a110-4 for this job.

The QA Inspector observed that third party Quality Control (QC) Inspector Mr. Don Cox performed Dye Penetrant Testing (PT) on the flux core arc welding (FCAW) and gas tungsten arc welding (GTAW) stainless steel overlay repair procedures. The above mentioned test began near the end of the QA Inspectors shift and the QA Inspector did not observe the completion of the test or the results.

**Summary of Conversations:**

The QA Inspector met with Quality Control Manager (QCM) Mr. Tom Tomovick in person to inquire about the (4) rolled fuse components which had been shipped to the OIW facility in Clackamas, Oregon. Mr. Tomovick contacted Project manager Mr. Bill Pender utilizing the speaker phone in his office and Mr. Tomovick asked Mr. Pender why the fuses had been shipped without QA's knowledge. Mr. Pender replied that he believed American Tank had shipped the units. Mr. Tomovick asked Mr. Pender if the ends of the plates (drops) had been shipped with the units and Mr. Pender informed Mr. Tomovick that the drops had not been shipped with the units. Mr. Pender explained that the drops were currently being shipped at the contractors expense and should be arriving in Clackamas no later than Tuesday of the following week.

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## WELDING INSPECTION REPORT

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	White,Danny
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Wright,Mark
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QA Reviewer
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